CDX-A30RF

SERVICE MANUAL

E Model
US Model

CDX-A30RF is made up of Compact Disc automatic changer CDX-A30 and the remote commander with a built-in FM stereo RF modulator RM-X1F.
For Compact Disc automatic changer, please refer to CDX-A30 service manuals (9-953-731-[][]) previously issued.

There is only the information of RM-X1F on this service manual.

The parts which differ from CDX-A30 (expect for RM-X1F) are as follows:

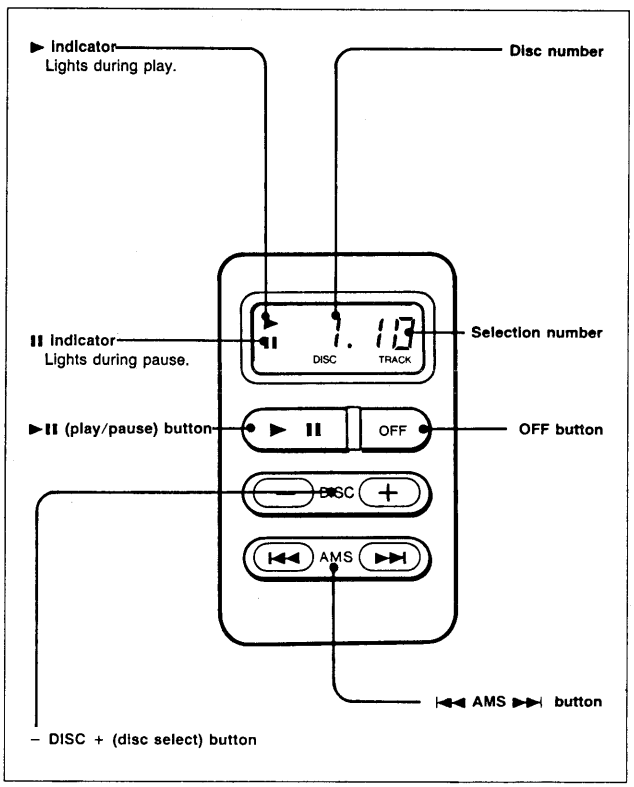
*3-348-795-01	LABEL, MODEL NUMBER
*3-348-797-01	INDIVIDUAL CARTON
*3-751-377-21	(US)...MANUAL, INSTRUCTION

RM-X1F SPECIFICATIONS

Transfer frequency
88.3 MHz, 88.7 MHz
Mounting dimensions
Commander:
Approx. 48 × 80 × 16 mm
(w/h/d)
($1^{15}/_{16} \times 3^{1}/_{4} \times 2^{1}/_{32}$in.)
Hide-away unit:
Approx. 70 × 27 × 110 mm
(w/h/d)
($2^{7}/_{8} \times 1^{1}/_{8} \times 4^{3}/_{8}$ in.)
Weight Commander: Approx. 110 g
(3.9 oz.)
Hide-away unit: Approx. 350 g
(12.3 oz.)
Accessories supplied
Velcro tape (1 set)

Design and specifications subject to change without notice.

LOCATION AND FUNCTION OF CONTROLS



COMPACT DISC PLAYER

SONY®

Connections

Caution

- Before making connections disconnect the ground terminal of the car battery to avoid short circuits.
- Connect the yellow, and red power input leads only after all other leads have been connected.
- Be sure to connect the red power input lead to the positive 12 V power terminal which is energized when the ignition key is in the accessory position.
- Run all ground wires to a common ground point.

Installation of the Remote Commander

Before Installation

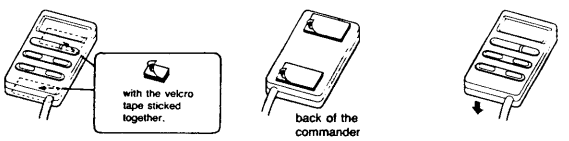
Choose the mounting location carefully so that the unit will not interfere with normal driving functions and so that the unit will not be exposed to direct sunlight or hot air from the heater.

Attach the commander on the dashboard with the supplied velcro tape.

1 Paste the velcro tape on the back of the commandar.

2 Detach the paper.

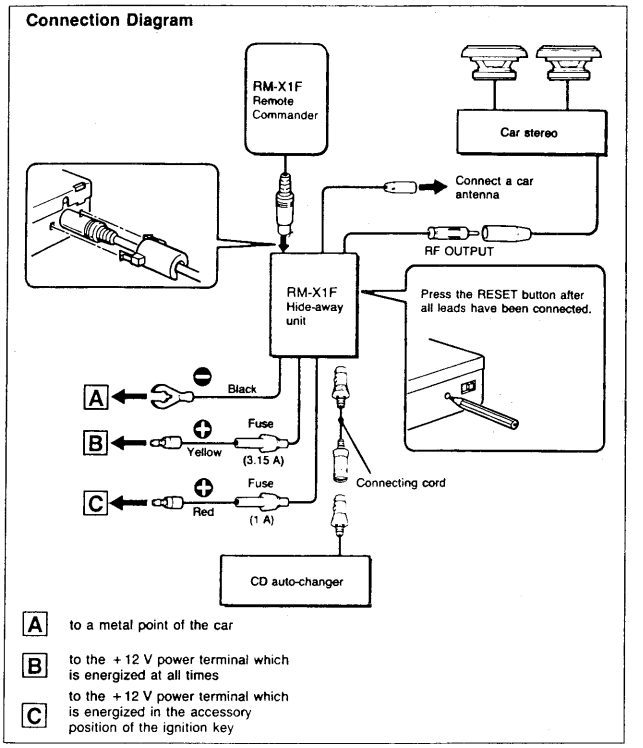
3 Attach the commander on the dash board.



Installation of the Hide Away Unit

Attach the unit on the carpet with the supplied velcro tape.

Connection Diagram



SECTION 1
ELECTRICAL ADJUSTMENT

[NOTE ON REPAIRING]

Don't move VR2 on replacing IC and others.

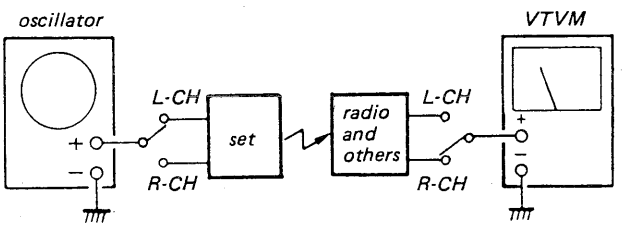
2-1. OSCILLATING FREQUENCY ADJUSTMENT

1) Connect a frequency counter to the output of BPF1.
2) Adjust with TC2 or TC3 so that the reading on the frequency counter becomes the value.

Adjusting Element	Adjusting Value
TC3	88.290 – 88.310 MHz
TC2	88.690 – 88.710 MHz

2-2. SEPARATION ADJUSTMENT

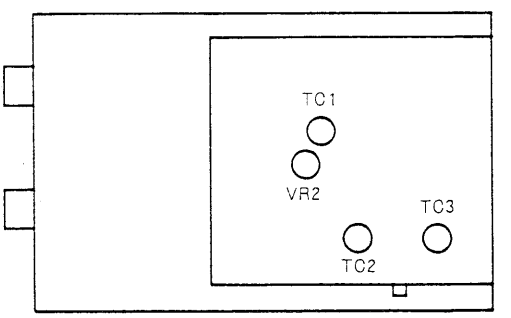
Connection:



Adjusting Procedure:

On adjusting, printed circuit boards should be installed in the case.

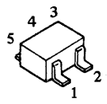
1) Apply a signal from an oscillator to the set.
2) Adjust with TC1 so as to minimize the R-CH output on radio and others.



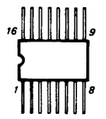
SECTION 2
DIAGRAMS

- **Remote Commander Section Semiconductor Lead Layouts**

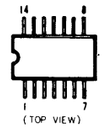
TC4S81F



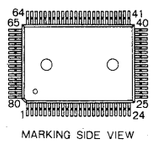
TC4050BF



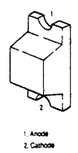
TC4069UBF



μPD7514G-238

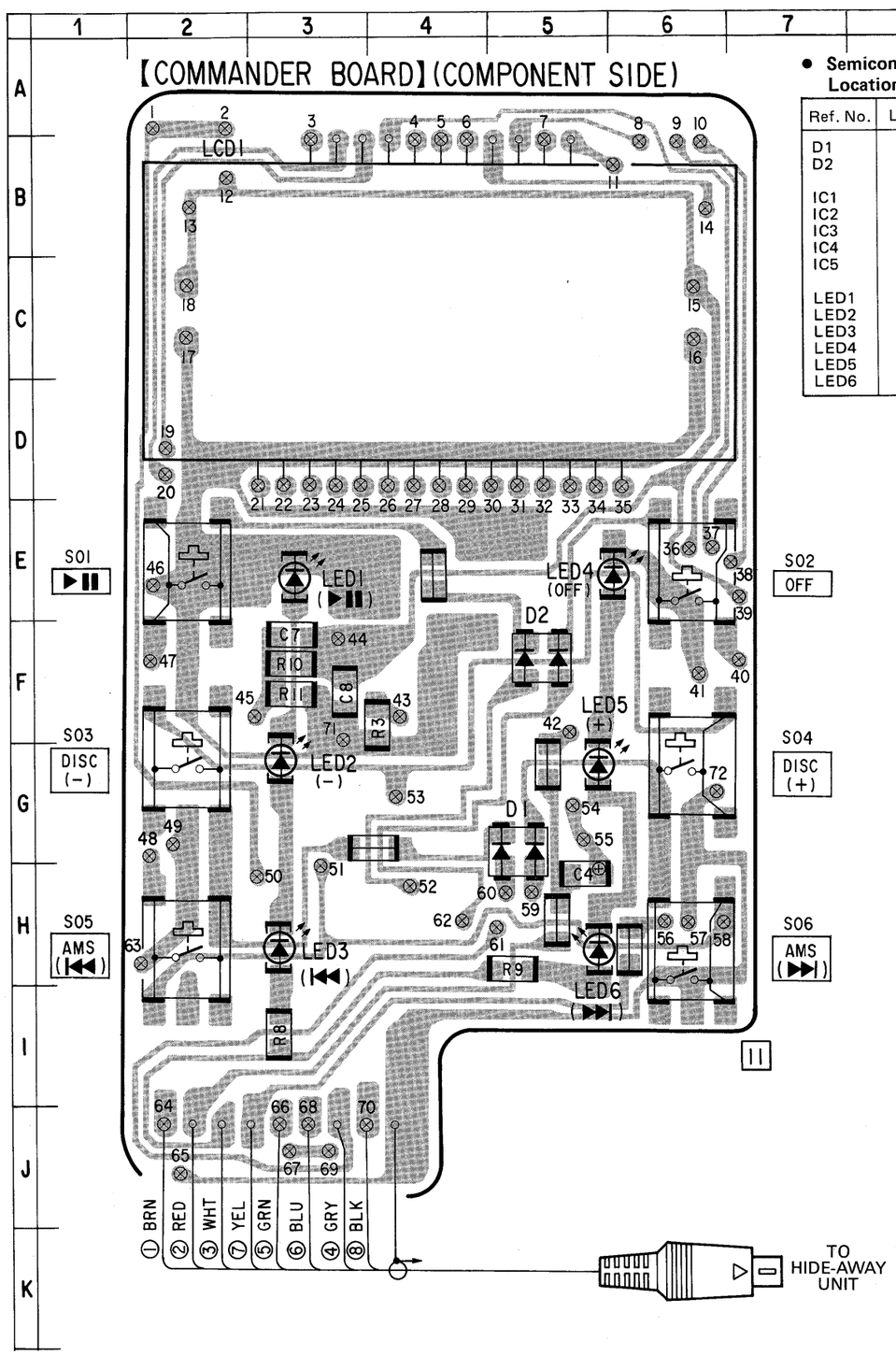


CL-50Y-CD



2-1. REMOTE COMMANDER SECTION PRINTED WIRING BOARD

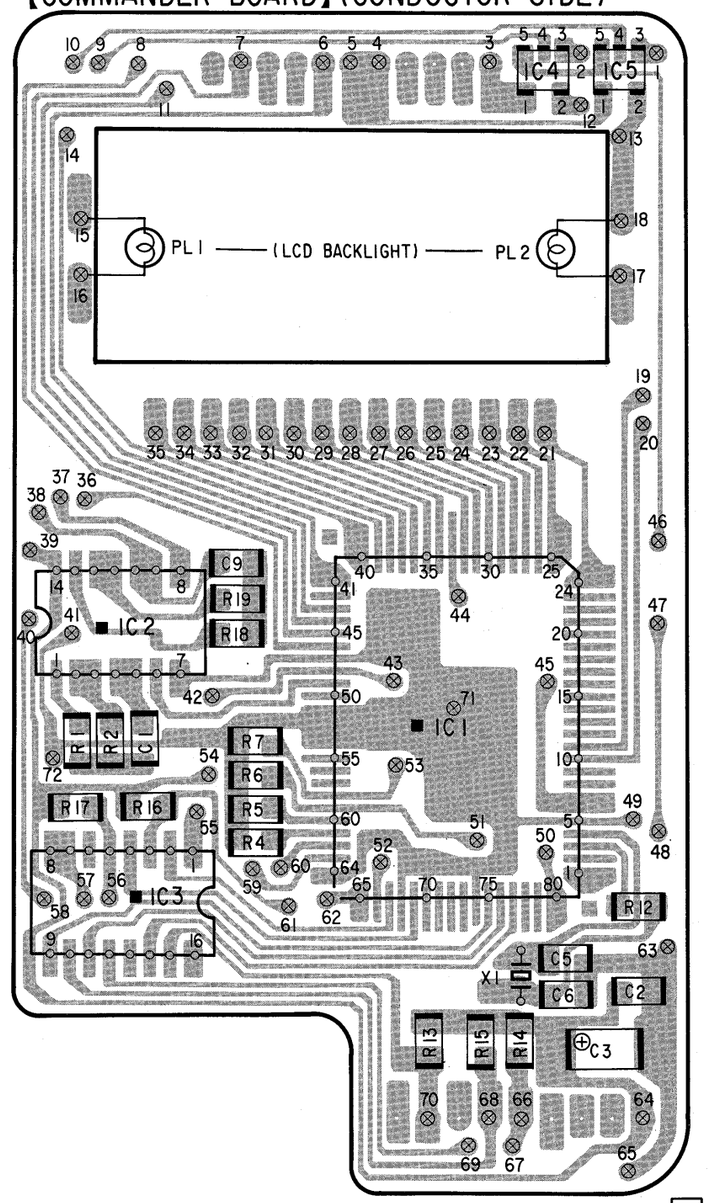
【COMMANDER BOARD】(COMPONENT SIDE)



- **Semiconductor Location**

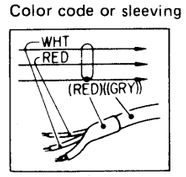
Ref. No.	Location
D1	G-5
D2	F-5
IC1	G-13
IC2	F-10
IC3	H-10
IC4	B-13
IC5	B-14
LED1	E-3
LED2	G-3
LED3	H-3
LED4	E-6
LED5	G-5
LED6	H-5

【COMMANDER BOARD】(CONDUCTOR SIDE)



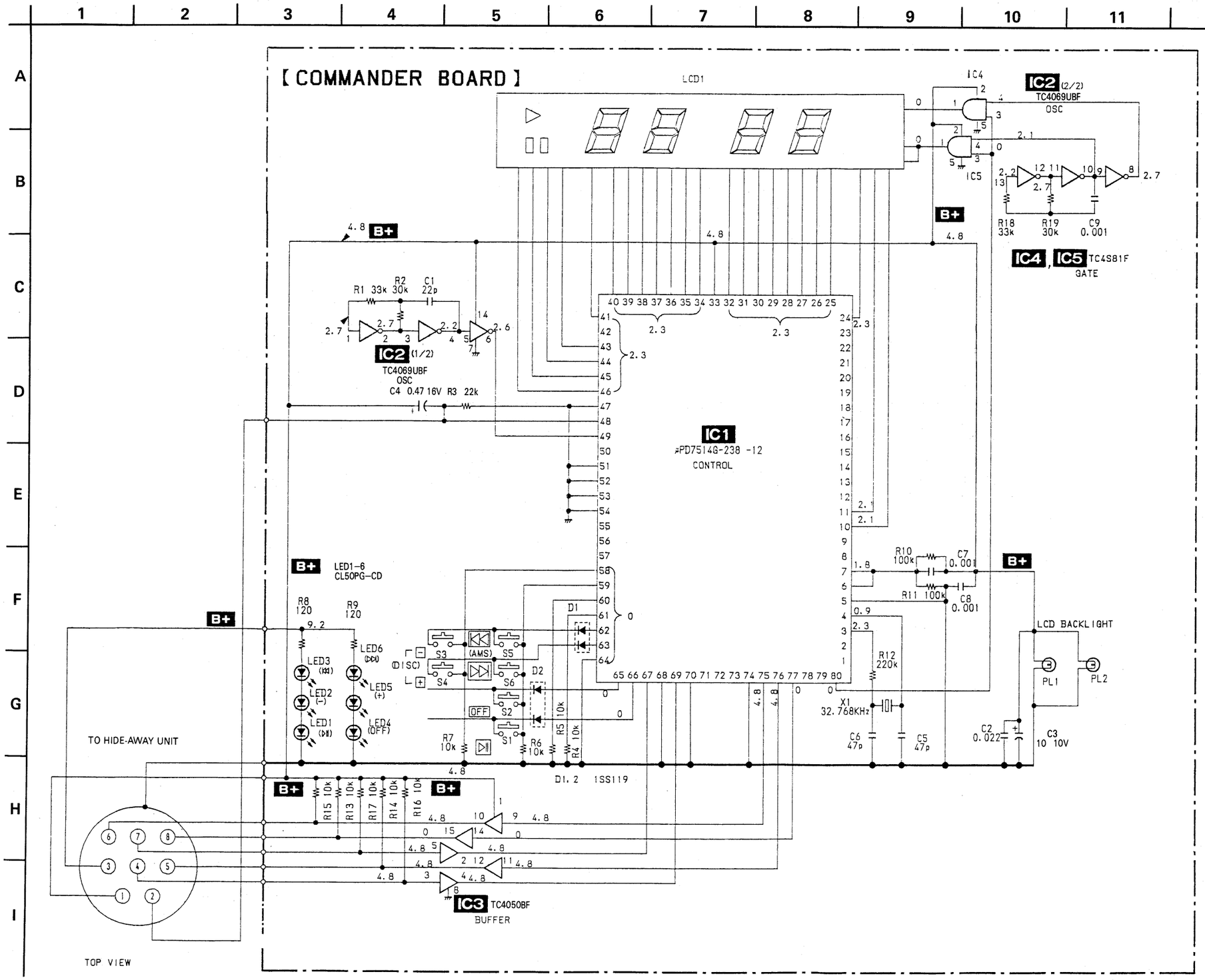
Note:

- Color code or sleeving over the end of the jacket.



- ○—— : parts extracted from the component side.
- ●—— : parts extracted from the conductor side.
- ■ : parts mounted on the conductor side.
- ⊗ : Through hole.
- ▒ : Pattern on the side which is seen.

2-2. REMOTE COMMANDER SECTION SCHEMATIC DIAGRAM



Note:

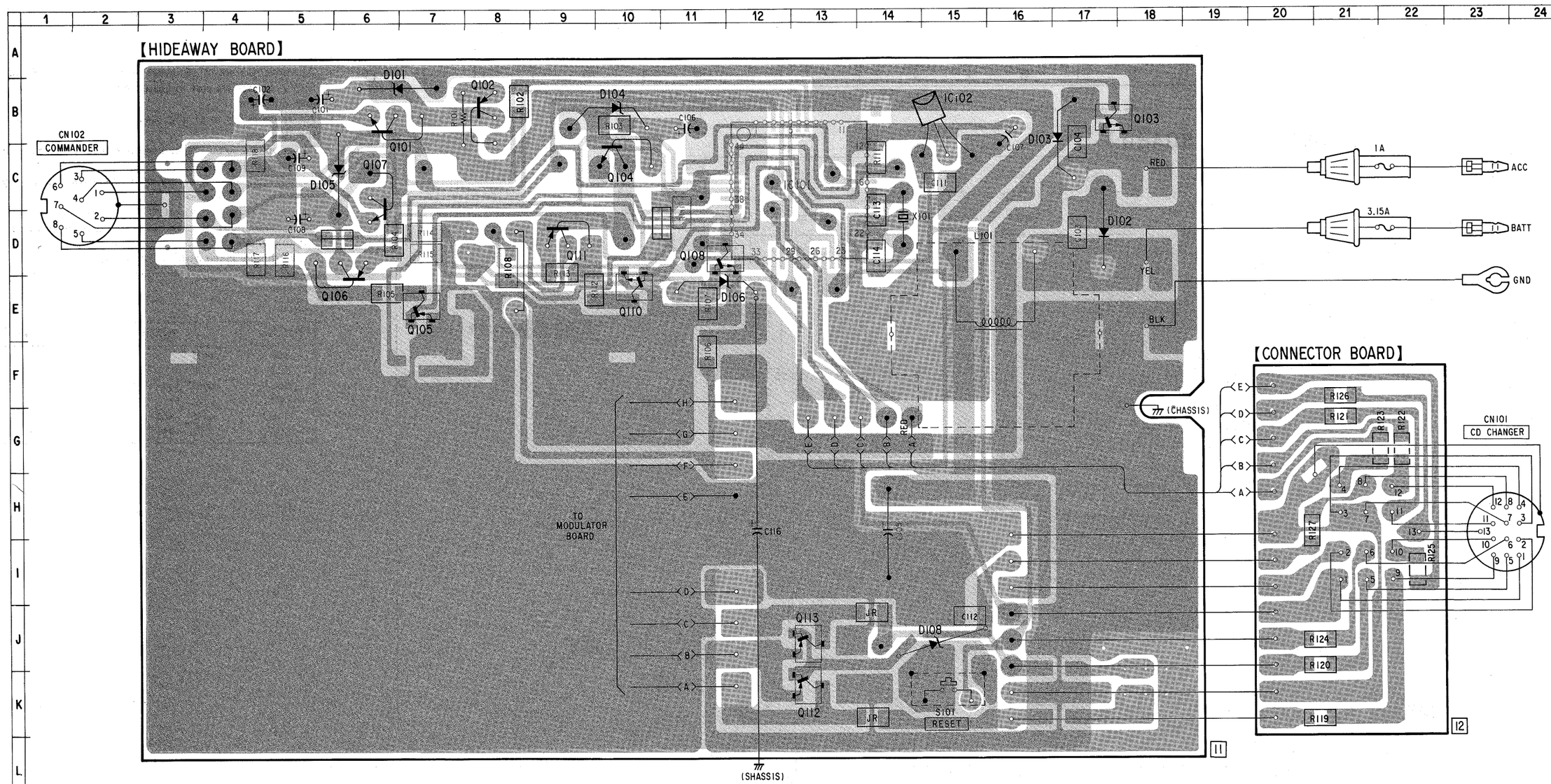
- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- Power voltage is dc 5 V and fed with regurated dc power supply from Hide-away unit.
- Voltage and waveforms are dc with respect to ground under no-signal conditions.
- Voltages are taken with a VOM (50 kΩ/V).
  Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
  Voltage variations may be noted due to normal production tolerances.
- Switch

Ref. No.	Switch	Position
S01	▶II	OFF
S02	OFF	OFF
S03	DISC (–)	OFF
S04	DISC (+)	OFF
S05	AMS (⏮)	OFF
S06	AMS (⏭)	OFF

Serial No.; 109,901 and later

2-3. NEW TYPE HIDEAWAY UNIT HIDEAWAY PRINTED WIRING BOARD

● See page 11 for Semiconductor Lead Layouts.



Note on Mounting Diagram:

- ● ● : Through hole.
- ● ▨ : Pattern on the side which is seen.
- ◎ ▨ : Pattern of the rear side.
- ◎ □ : Chip components extracted from the rear side.

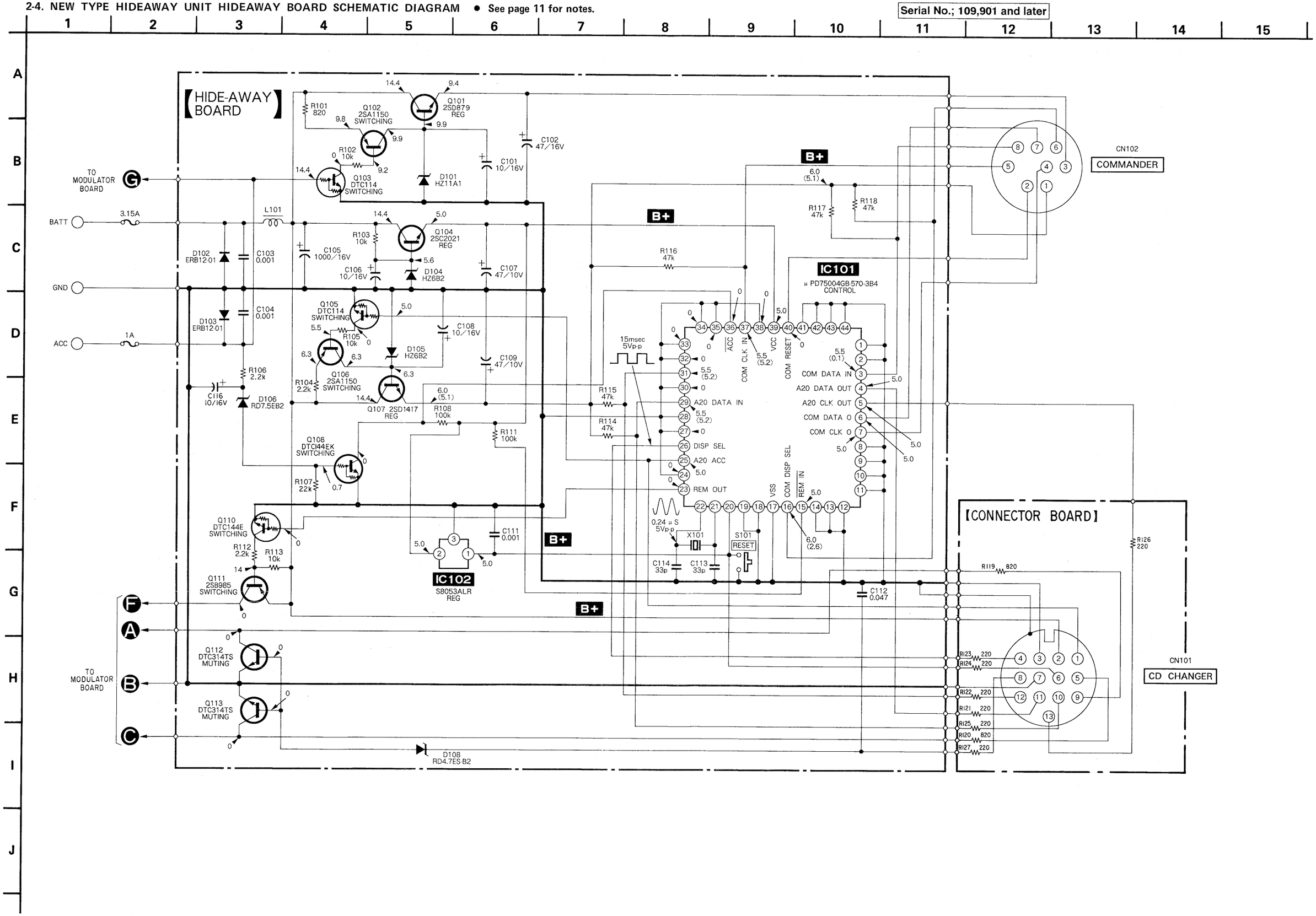
● SEMICONDUCTOR LOCATION

Ref. No.	Location	Ref. No.	Location
D101	B-6	Q101	B-6
D102	D-17	Q102	B-8
D103	C-17	Q103	B-17
D104	B-10	Q104	C-10
D105	C-6	Q105	E-7
D106	E-11	Q106	D-6
D108	J-15	Q107	C-6
		Q108	D-11
IC101	C-13	Q110	E-10
IC102	C-15	Q111	D-9
		Q112	K-13
		Q113	J-13

2-4. NEW TYPE HIDEAWAY UNIT HIDEAWAY BOARD SCHEMATIC DIAGRAM

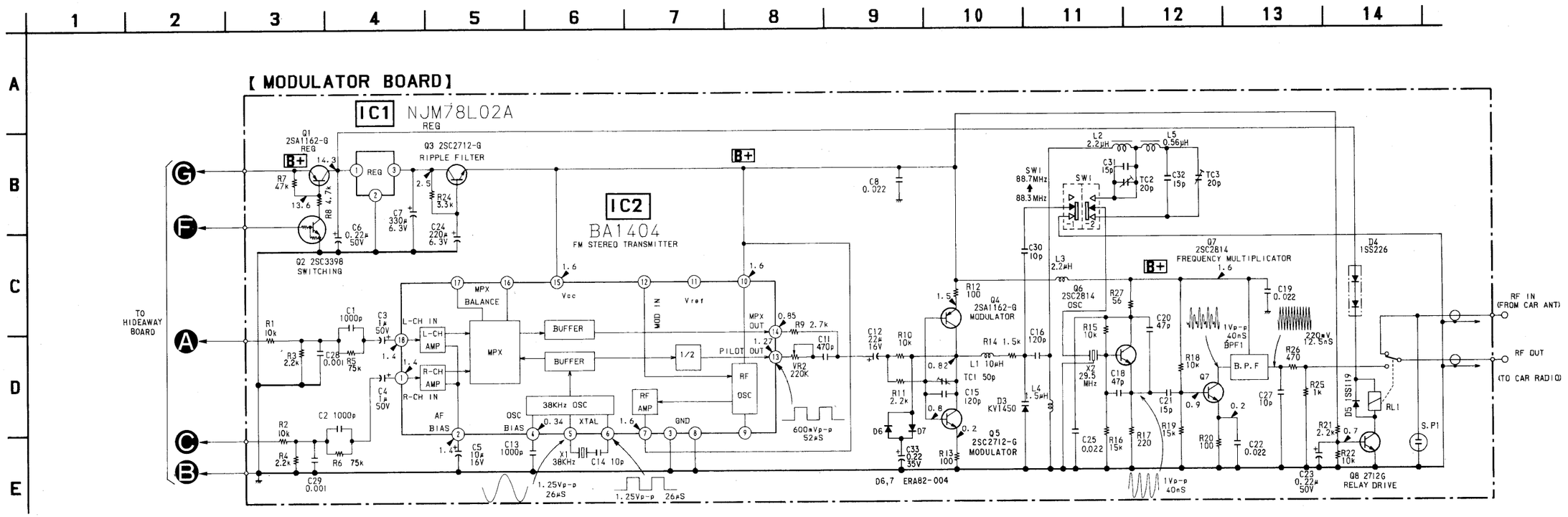
● See page 11 for notes.

Serial No.; 109,901 and later



2-5. NEW TYPE HIDEAWAY UNIT FM STEREO RF MODULATOR BOARD SCHEMATIC DIAGRAM

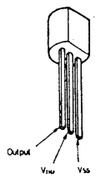
Serial No.; 109,901 and later



- **HIDEAWAY UNIT HIDEAWAY BOARD SEMICONDUCTOR LEAD LAYOUTS AND NOTES**

- **Semiconductor Lead Layouts**

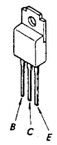
S-8053ALR



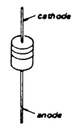
2SA1115P

2SB985-T
2SD879

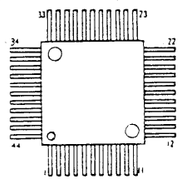
2SD1417



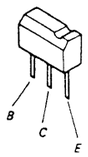
RD4.7ESB2
RD5.6ESB2
RD7.5ESB2
RD9.1ESB2



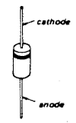
μPD75004GB-570-3B4



2SC2021



10E-2



Note on Schematic Diagram:

- All capacitors are in μF unless otherwise noted. pF: μμF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼ W or less unless otherwise specified.
- Power voltage is dc 14.4 V and fed with regurated dc power supply from ACC and BATT terminals.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : Without Remote Commander
  ( ) : Connected with Remote Commander
- Voltages are taken with a VOM (50 kΩ/V).
  Voltage variations may be noted due to normal production tolerances.

- **HIDEAWAY UNIT FM STEREO RF MODULATOR BOARD NOTE ON SCHEMATIC DIAGRAM**

- All capacitors are in μF unless otherwise noted. pF: μμF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼ W or less unless otherwise specified.
- Power voltage is dc 14.4 V and fed with regurated dc power supply from ACCESSORY terminal and REMOTE IN terminal.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- Voltages are taken with a VOM (10 MΩ/V).
  Voltage variations may be noted due to normal production tolerances.

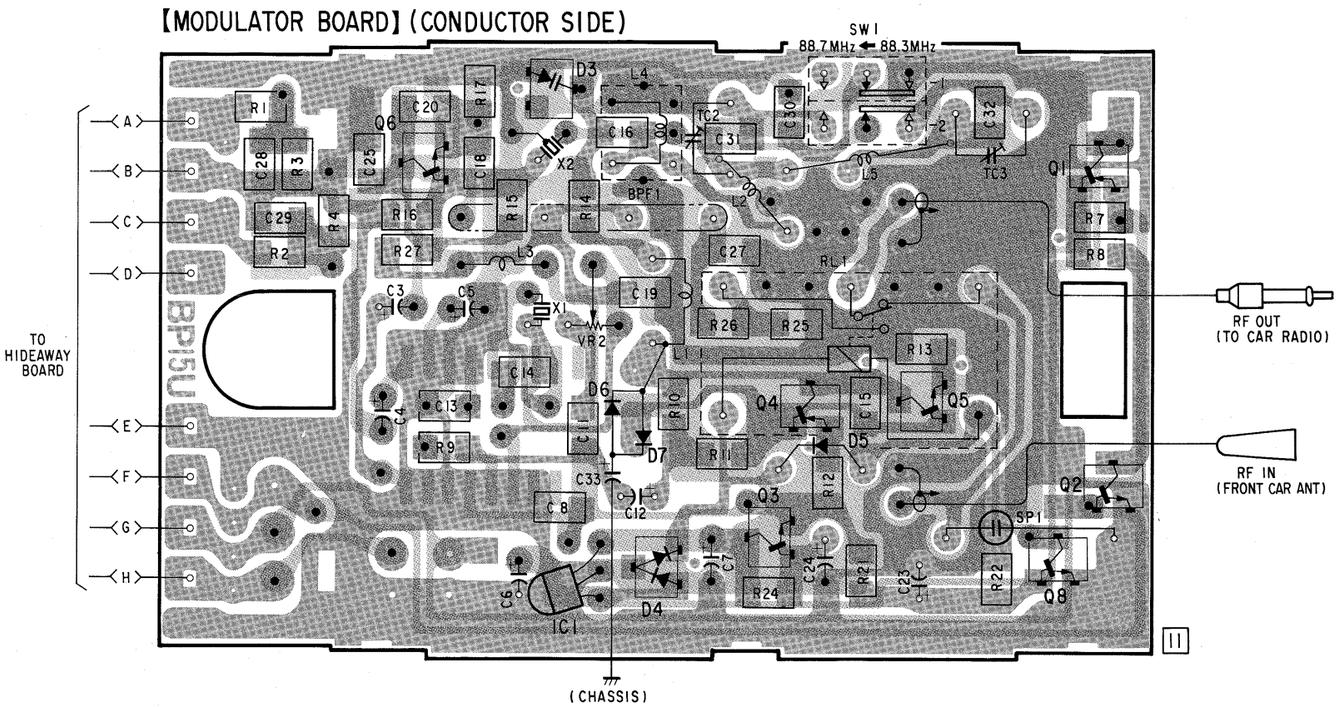
- **Semiconductor Location**

Ref. No.	Location
D3	B-6
D4	F-7
D5	E-9
D6	E-7
D7	E-7
IC1	F-7
IC2	K-6
Q1	B-11
Q2	F-12
Q3	F-8
Q4	E-9
Q5	E-10
Q6	B-5
Q7	M-5
Q8	F-11

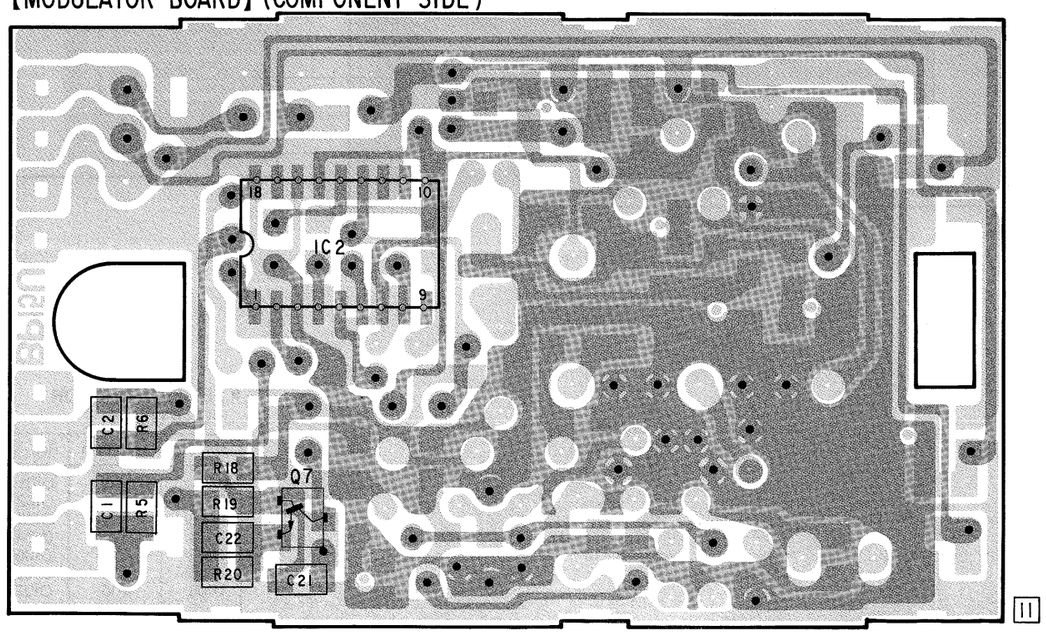
Serial No.; 109,901 and later

2-6. NEW TYPE HIDEAWAY UNIT FM STEREO RF MODULATOR PRINTED WIRING BOARD

【MODULATOR BOARD】(CONDUCTOR SIDE)

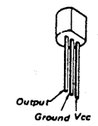


【MODULATOR BOARD】(COMPONENT SIDE)

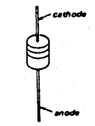


- **HIDEAWAY UNIT FM STEREO RF MODULATOR BOARD SEMICONDUCTOR LEAD LAYOUTS AND NOTES ON PRINTED WIRING BOARD**
- **Semiconductor Lead Layouts**

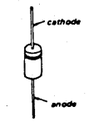
NJM178L02



ERA82-004
1SS119



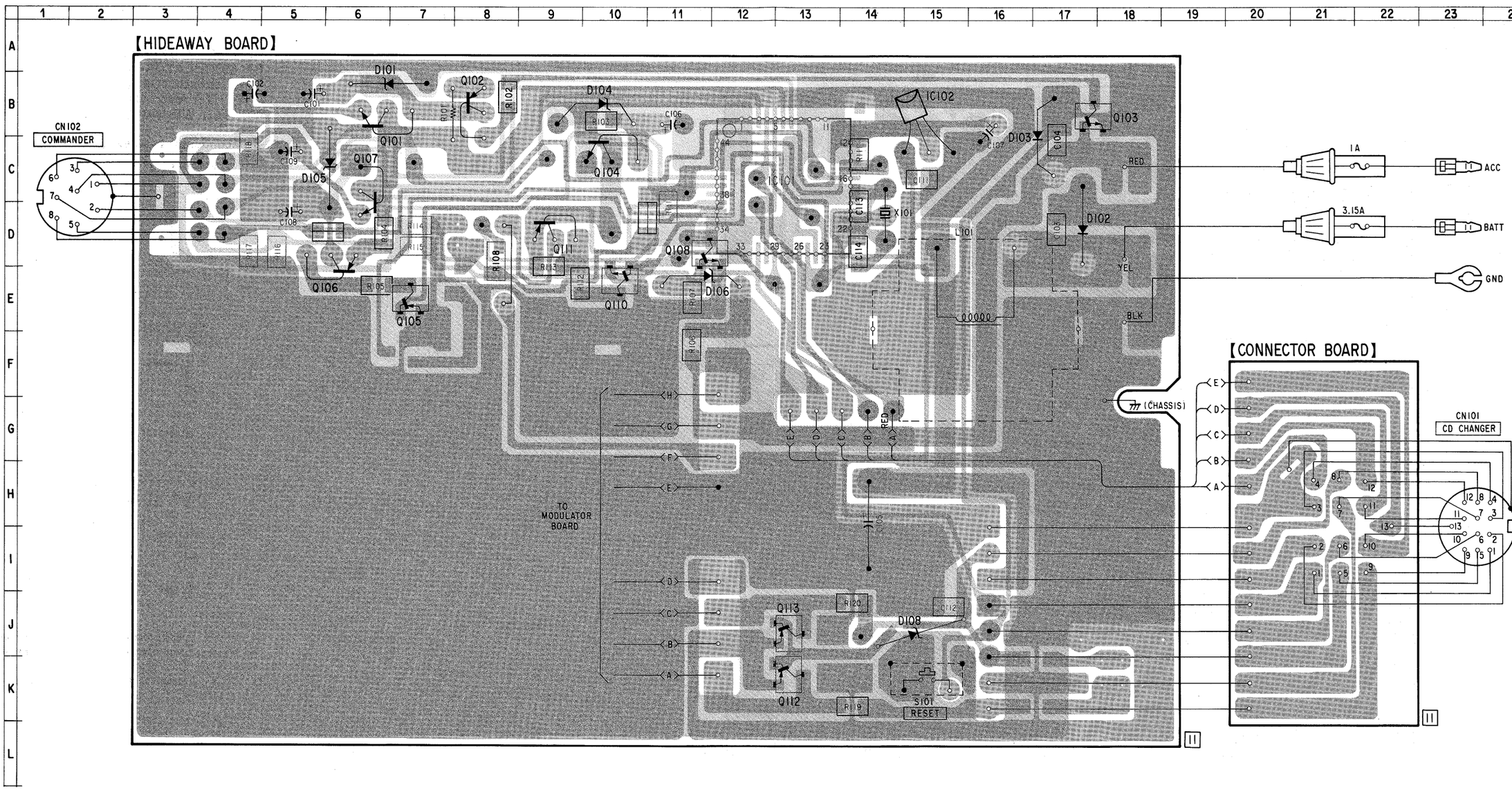
10E-2



Note:
- ○——● : parts extracted from the component side.
- ●——● : parts extracted from the conductor side.
- ● : Through hole.
- ▒ : Pattern on the side which is seen.
- ▒ : Pattern of the rear side.

Serial No.; Up to 109,900

2-7. FORMER TYPE HIDEAWAY UNIT HIDEAWAY PRINTED WIRING BOARD • See page 19 for Semiconductor Lead Layouts.



Note on Mounting Diagram:

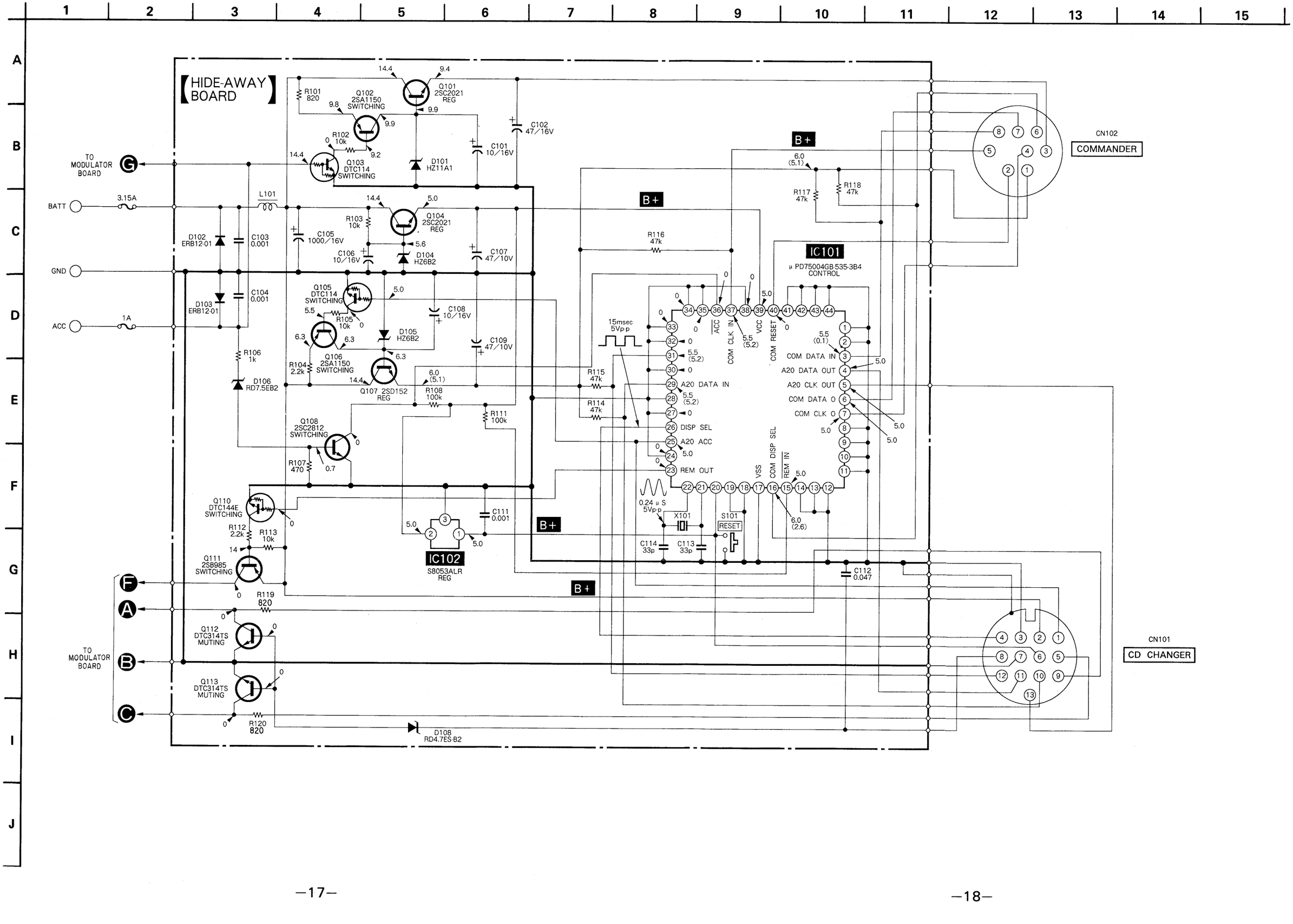
- ● : Through hole.
- ● : Pattern on the side which is seen.
- ● : Pattern of the rear side.
- ● : Chip components extracted from the rear side.

• SEMICONDUCTOR LOCATION

Ref. No.	Location	Ref. No.	Location
D101	B-6	Q101	B-6
D102	D-17	Q102	B-8
D103	C-17	Q103	B-17
D104	B-10	Q104	C-10
D105	C-6	Q105	E-7
D106	E-11	Q106	D-6
D108	J-15	Q107	C-6
		Q108	D-11
IC101	C-13	Q110	E-10
IC102	C-15	Q111	D-9
		Q112	K-13
		Q113	J-13

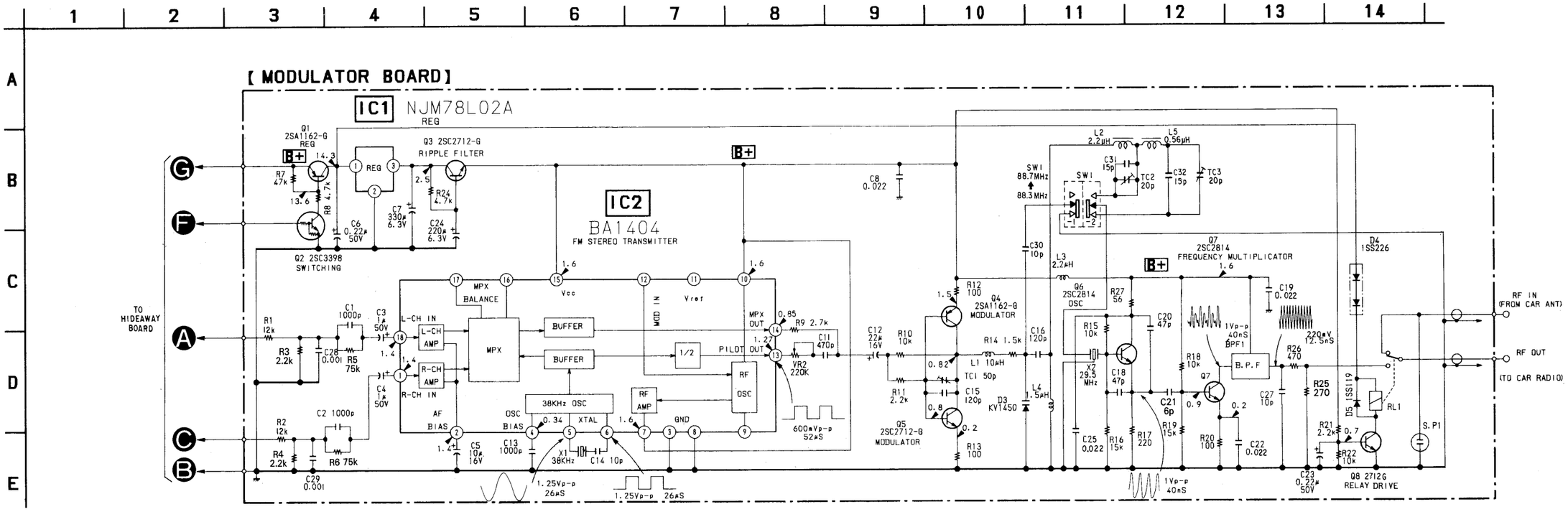
2-8. FORMER TYPE HIDEAWAY UNIT HIDEAWAY BOARD SCHEMATIC DIAGRAM

Serial No.; Up to 109,900



2-9. FORMER TYPE HIDEAWAY UNIT FM STEREO RF MODULATOR BOARD SCHEMATIC DIAGRAM

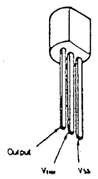
Serial No.; Up to 109,900



- HIDEAWAY UNIT HIDEAWAY BOARD SEMICONDUCTOR LEAD LAYOUTS AND NOTES

- Semiconductor Lead Layouts

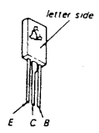
S-8053ALR



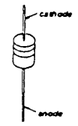
2SA1115P

2SB985-T

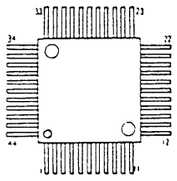
2SD1521



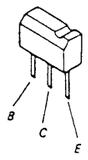
RD4.7ESB2
RD5.6ESB2
RD7.5ESB2
RD9.1ESB2



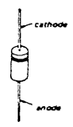
μPD75004GB-535-3B4



2SC2021



10E-2



Note on Schematic Diagram:

- All capacitors are in μF unless otherwise noted. pF: μμF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼ W or less unless otherwise specified.
- Power voltage is dc 14.4 V and fed with regurated dc power supply from ACC and BATT terminals.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : Without Remote Commander
  ( ) : Connected with Remote Commander
- Voltages are taken with a VOM (50 kΩ/V).
  Voltage variations may be noted due to normal production tolerances.

- HIDEAWAY UNIT FM STEREO RF MODULATOR BOARD NOTE ON SCHEMATIC DIAGRAM

- All capacitors are in μF unless otherwise noted. pF: μμF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼ W or less unless otherwise specified.
- Power voltage is dc 14.4 V and fed with regurated dc power supply from ACCESSORY terminal and REMOTE IN terminal.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- Voltages are taken with a VOM (10 MΩ/V).
  Voltage variations may be noted due to normal production tolerances.

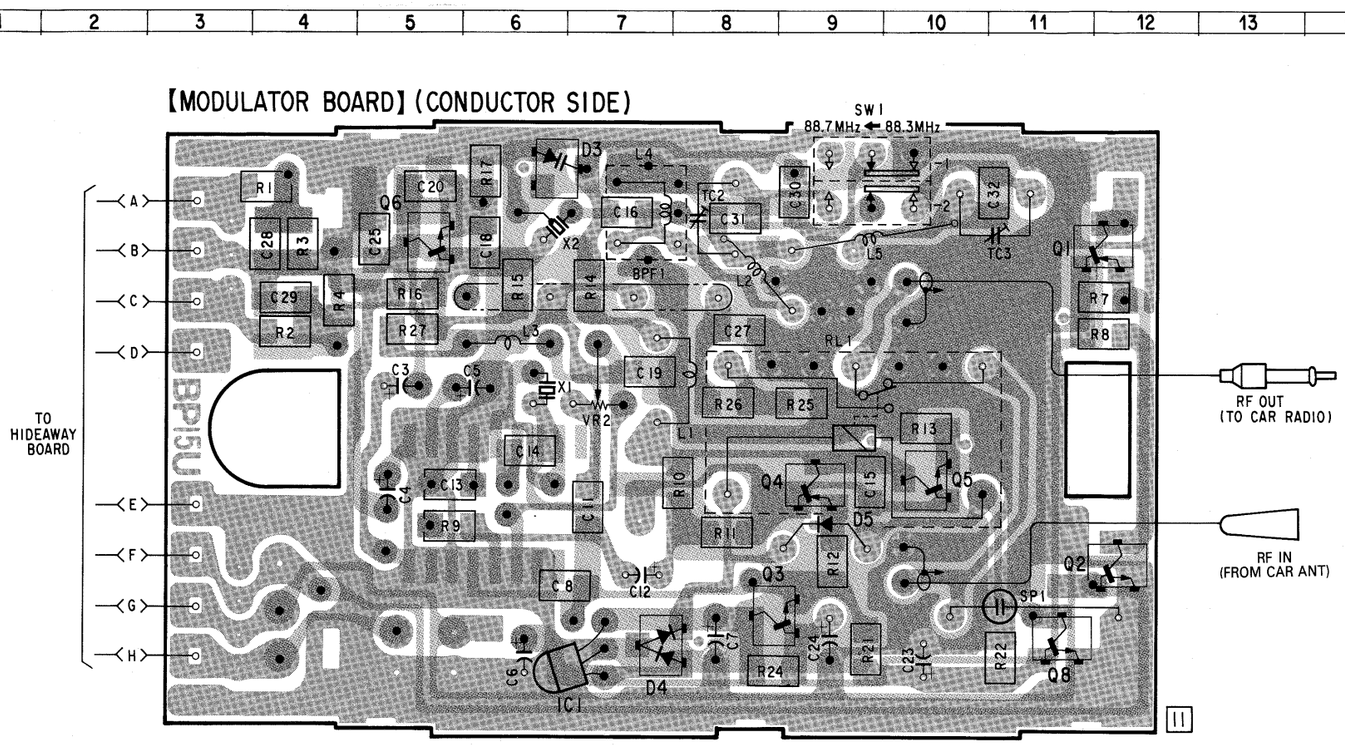
- Semiconductor Location

Ref. No.	Location
D3	B-6
D4	F-7
D5	E-9
IC1	F-7
IC2	K-6
Q1	B-11
Q2	F-12
Q3	F-8
Q4	E-9
Q5	E-10
Q6	B-5
Q7	M-5
Q8	F-11

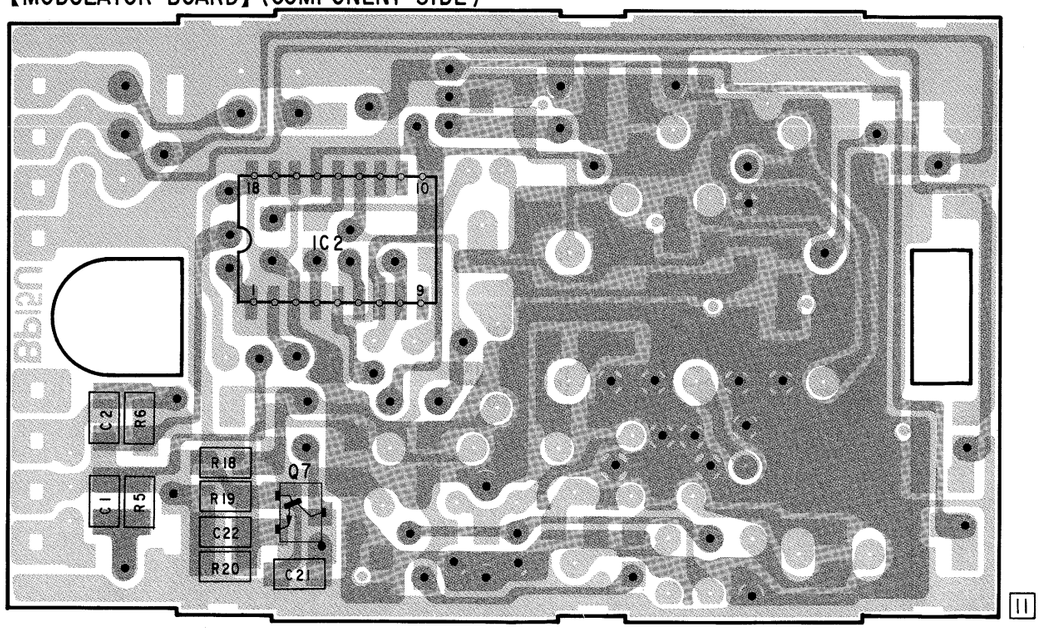
2-10. FORMER TYPE HIDEAWAY UNIT FM STEREO RF MODULATOR PRINTED WIRING BOARD

Serial No.; Up to 109,900

【MODULATOR BOARD】(CONDUCTOR SIDE)

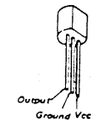


【MODULATOR BOARD】(COMPONENT SIDE)

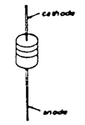


- HIDEAWAY UNIT FM STEREO RF MODULATOR BOARD SEMICONDUCTOR LEAD LAYOUTS AND NOTES ON PRINTED WIRING BOARD
- Semiconductor Lead Layouts

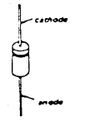
HA178L02



1SS119



10E-2



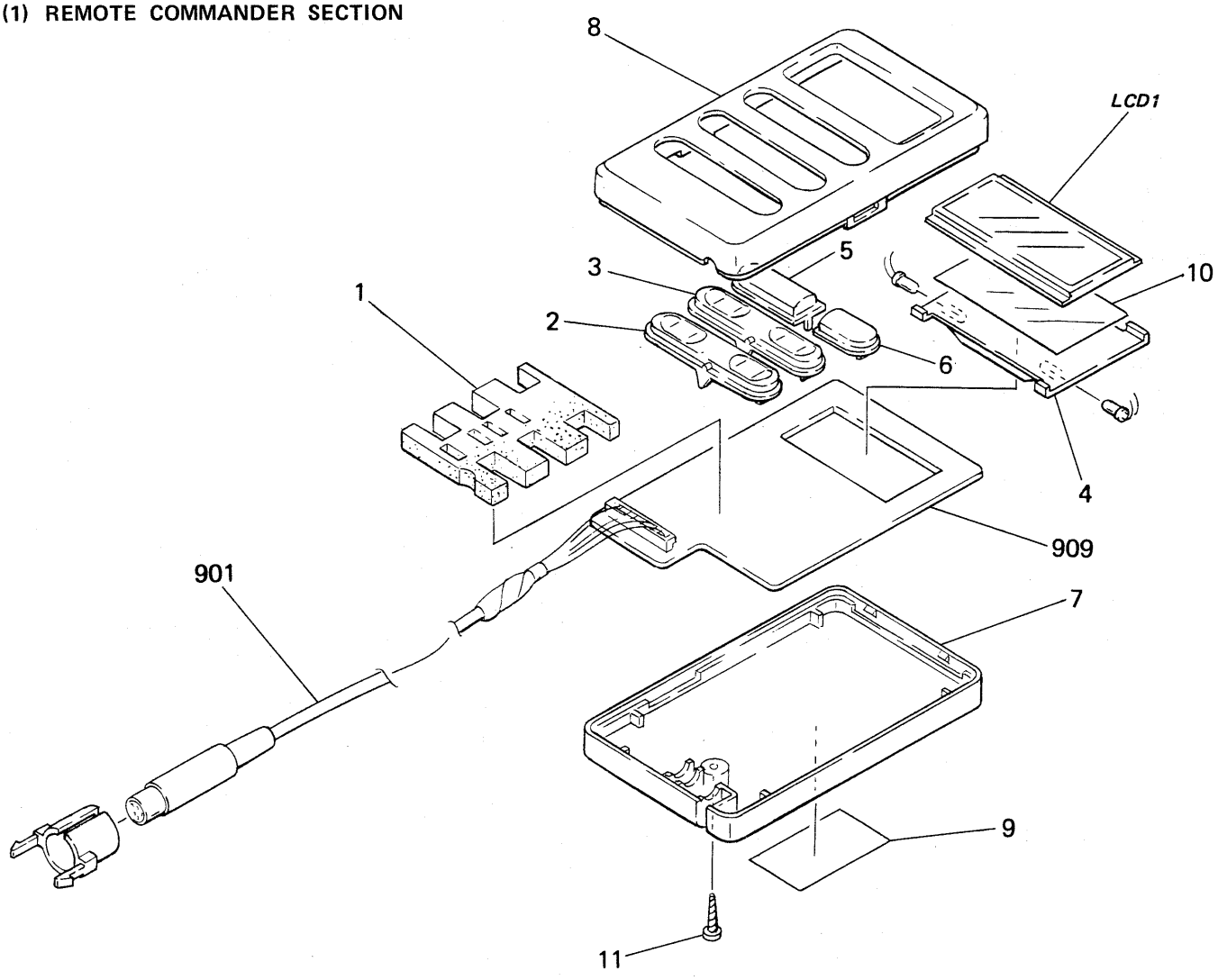
Note:
- ○——— : parts extracted from the component side.
- ●——— : parts extracted from the conductor side.
- ● : Through hole.
- ▨ : Pattern on the side which is seen.
- ▨ : Pattern of the rear side.

SECTION 3
EXPLODED VIEWS AND PARTS LIST

NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part number suffix -XX and -X may be different from the parts specified in the components used on the set.
- Color Indication of Appearance Parts
  Example:
  (RED) . . . KNOB, BALANCE (WHITE)
  ↑ ↑
  Cabinet's Color Parts' Color

(1) REMOTE COMMANDER SECTION

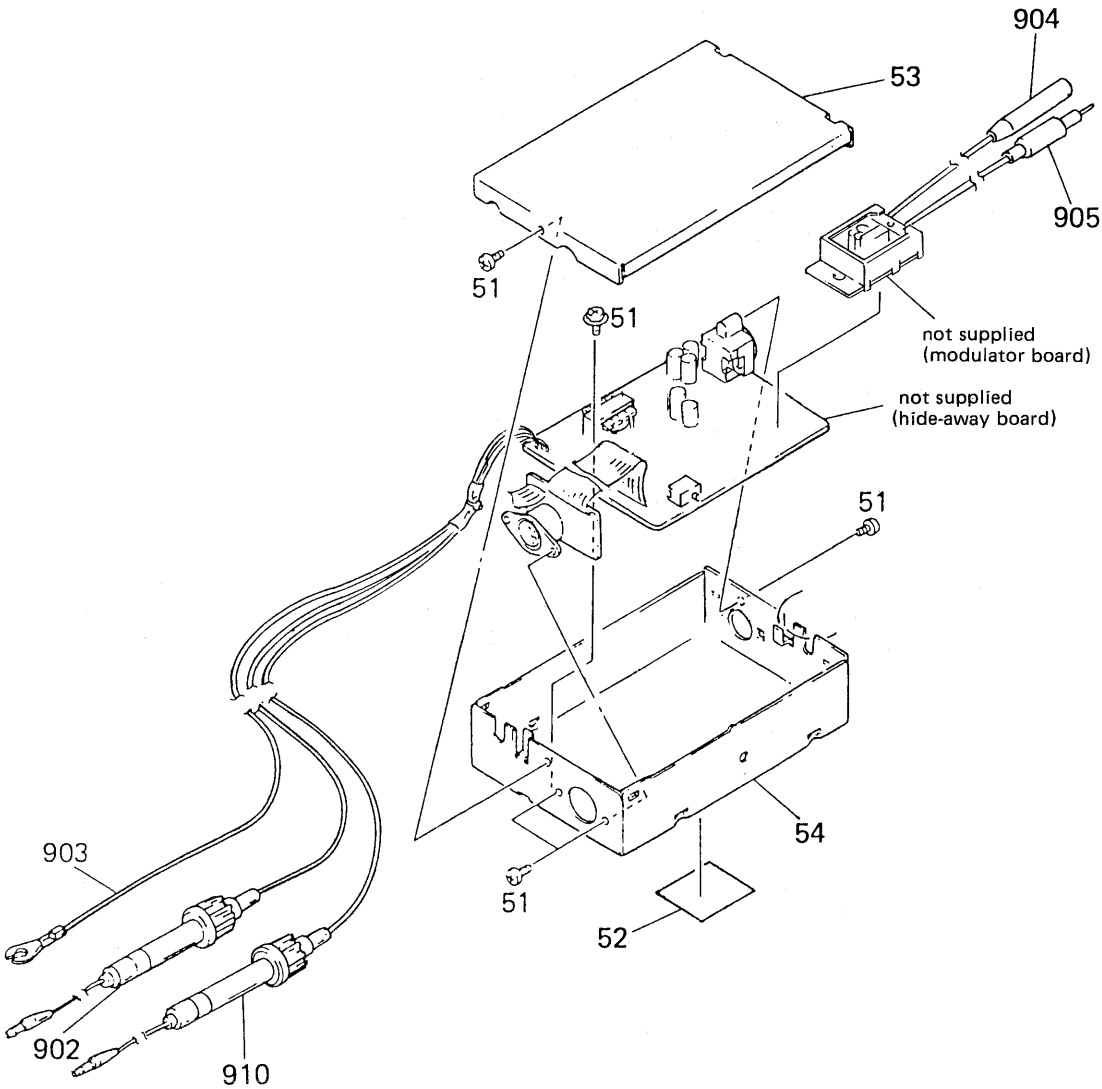


No.	Part No.	Description	Remarks
1	*2-398-921-01	CUSHION (BUTTON)	
2	2-398-922-01	BUTTON (AMS)	
3	2-398-923-01	BUTTON (DISC)	
4	*2-398-924-01	HOLDER, LAMP	
5	2-398-925-01	BUTTON (PLAY/PAUSE)	
6	2-398-926-01	BUTTON (OFF)	
7	2-398-927-01	CASE (LOWER)	
8	2-398-928-01	CASE (UPPER)	

No.	Part No.	Description	Remarks
9	*2-398-931-01	LABEL	
11	7-685-103-19	SCREW +P 2X5 TYPE2 NON-SLIT	
10	*2-398-919-01	REFLECTOR	
901	1-574-298-11	CORD (WITH CONNECTOR)	
909	*1-628-803-11	PC BOARD, COMMANDER	
LCD1	1-808-605-11	DISPLAY PANEL, LIQUID CRYSTAL	

REVISED

(2) HIDE-AWAY UNIT SECTION



No.	Part No.	Description	Remarks
51	7-685-750-01	SCREW PTT 3X5	
53	9-996-076-01	CASE (UPPER)	
54	*9-996-077-01	CASE (LOWER)	
902	9-995-009-01	CORD (WITH TERMINAL)	
903	9-995-010-01	CORD (WITH TERMINAL)	
904	*9-996-064-01	TERMINAL CORD (ANT JACK)	
905	*9-996-065-01	TERMINAL CORD (ANT PLUG)	
910	9-995-817-01	CORD (WITH TERMINAL)	

SECTION 4
ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:
MF: μF, PF: μμF.

RESISTORS
- All resistors are in ohms.
- F: nonflammable

COILS
- MMH: mH, UH: μH

SEMICONDUCTORS
In each case, U: μ, for example:
UA...: μA..., UPA...: μPA...,
UPC...: μPC, UPD...: μPD...

● REMOTE COMMANDER, HIDEAWAY UNIT

HIDEAWAY BOARD

Ref.No.	Part No.	Description
901	1-574-298-11	CORD (WITH CONNECTOR)
902	9-995-009-01	CORD (WITH TERMINAL)
903	9-995-010-01	CORD (WITH TERMINAL)
909	*1-628-803-11	PC BOARD, COMMANDER
910	9-995-817-01	CORD (WITH TERMINAL)
C1	1-163-101-00	CERAMIC CHIP 22PF 5% 50V
C2	1-163-037-11	CERAMIC CHIP 0.022MF 10% 25V
C3	1-135-093-11	(NEW).....TANTAL CHIP 10MF 20% 10V
C3	1-135-098-11	(FORMER)...TANTAL CHIP 47MF 20% 10V
C4	1-163-038-00	(FORMER)...CERAMIC CHIP 0.1MF 25V
C4	1-163-083-00	(NEW).. ...CERAMIC CHIP 0.47MF 16V
C5	1-163-109-00	CERAMIC CHIP 47PF 5% 50V
C6	1-163-109-00	CERAMIC CHIP 47PF 5% 50V
C7	1-163-141-00	CERAMIC CHIP 0.001MF 10% 50V
C8	1-163-141-00	CERAMIC CHIP 0.001MF 10% 50V
C9	1-163-141-00	CERAMIC CHIP 0.001MF 10% 50V
C101	1-126-157-11	ELECT 10MF 20% 16V
C102	1-123-332-11	ELECT 47MF 20% 16V
C103	1-163-009-11	CERAMIC (CHIP) 0.001MF 50V
C104	1-163-009-11	CERAMIC (CHIP) 0.001MF 50V
C105	1-124-360-00	ELECT 1000MF 20% 16V
C106	1-126-157-11	ELECT 10MF 20% 16V
C107	1-123-306-00	ELECT 47MF 20% 10V
C108	1-126-157-11	ELECT 10MF 20% 16V
C109	1-123-332-11	ELECT 47MF 20% 10V
C111	1-163-009-11	CERAMIC (CHIP) 0.001MF 50V
C112	1-163-809-11	CERAMIC (CHIP) 0.047MF 50V
C113	1-163-105-00	CERAMIC (CHIP) 33PF 50V
C114	1-163-105-00	CERAMIC (CHIP) 33PF 50V
C116	1-126-157-11	(NEW).....ELECT 10MF 20% 16V
CN101	1-565-066-11	SOCKET 13P
CN102	1-563-486-11	SOCKET, CONNECTOR
D1	8-719-911-19	DIODE 1SS119
D2	8-719-911-19	DIODE 1SS119
D101	8-719-110-13	DIODE RD9.1ESB2
D102	8-719-200-02	DIODE 10E-2
D103	8-719-200-02	DIODE 10E-2
D104	8-719-109-89	DIODE RD5.6ESB2
D105	8-719-100-37	DIODE RD6.2ESB1
D106	8-719-110-03	DIODE RD7.5ESB2
D108	8-719-109-81	DIODE RD4.7ESB2
IC1	8-759-112-04	IC UPD7514G-238
IC2	8-759-200-82	IC TC4069UBF
IC3	8-759-200-80	IC TC4050BF
IC4	8-759-209-97	IC TC4S81F
IC5	8-759-209-97	IC TC4S81F
IC101	8-759-146-31	(FORMER)...IC UPD75004GB-535-3B4
IC101	8-759-148-32	(NEW)...IC UPD75004GB-570-3B4
IC102	8-759-920-14	IC S8053ALR
L101	1-421-359-00	COIL, CHOKE
LCD1	1-808-605-11	DISPLAY PANEL, LIQUID CRYSTAL

Ref.No.	Part No.	Description
LED1	1-807-807-11	DIODE CL-50Y-CD
LED2	1-807-807-11	DIODE CL-50Y-CD
LED3	1-807-807-11	DIODE CL-50Y-CD
LED4	1-807-807-11	DIODE CL-50Y-CD
LED5	1-807-807-11	DIODE CL-50Y-CD
LED6	1-807-807-11	DIODE CL-50Y-CD
PL1	1-518-620-11	LAMP, PILOT
PL2	1-518-620-11	LAMP, PILOT
Q101	8-729-902-11	(FORMER)...TRANSISTOR 2SC2021
Q101	8-729-802-91	(NEW).....TRANSISTOR 2SD879
Q102	8-729-119-76	TRANSISTOR 2SA1115P
Q103	8-729-900-53	TRANSISTOR DTC114EK
Q104	8-729-902-11	TRANSISTOR 2SC2021
Q105	8-729-900-53	TRANSISTOR DTC114EK
Q106	8-729-119-76	TRANSISTOR 2SA1115P
Q107	8-729-204-10	TRANSISTOR 2SD1417
Q108	8-729-881-21	(FORMER)...TRANSISTOR 2SC2812
Q108	8-729-901-01	(NEW).....TRANSISTOR DTC144EK
Q110	8-729-900-53	TRANSISTOR DTC114EK
Q111	8-729-804-25	TRANSISTOR 2SB985-T
Q112	8-729-905-55	TRANSISTOR DTC314TKH04
Q113	8-729-905-55	TRANSISTOR DTC314TKH04
R1	1-216-085-00	METAL GLAZE 33K 5% 1/10W
R2	1-216-084-00	METAL GLAZE 30K 5% 1/10W
R3	1-216-081-00	(NEW).....METAL GLAZE 22K 5% 1/10W
R3	1-216-097-00	(FORMER)...METAL GLAZE 100K 5% 1/10W
R4	1-216-073-00	METAL GLAZE 10K 5% 1/10W
R5	1-216-073-00	METAL GLAZE 10K 5% 1/10W
R6	1-216-073-00	METAL GLAZE 10K 5% 1/10W
R7	1-216-073-00	METAL GLAZE 10K 5% 1/10W
R8	1-216-027-00	METAL GLAZE 120 5% 1/10W
R9	1-216-027-00	METAL GLAZE 120 5% 1/10W
R10	1-216-097-00	METAL GLAZE 100K 5% 1/10W
R11	1-216-097-00	METAL GLAZE 100K 5% 1/10W
R12	1-216-105-00	METAL GLAZE 220K 5% 1/10W
R13	1-216-073-00	METAL GLAZE 10K 5% 1/10W
R14	1-216-073-00	METAL GLAZE 10K 5% 1/10W
R15	1-216-073-00	METAL GLAZE 10K 5% 1/10W
R16	1-216-073-00	METAL GLAZE 10K 5% 1/10W
R17	1-216-073-00	METAL GLAZE 10K 5% 1/10W
R18	1-216-085-00	METAL GLAZE 33K 5% 1/10W
R19	1-216-084-00	METAL GLAZE 30K 5% 1/10W
R101	1-249-416-11	CARBON 820 5% 1/4W
R102	1-216-073-00	METAL GLAZE 10K 5% 1/10W
R103	1-216-073-00	METAL GLAZE 10K 5% 1/10W
R104	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W
R105	1-216-073-00	METAL GLAZE 10K 5% 1/10W

FORMER : Serial No. ; up to 109,900
NEW : Serial No. ; 109,901 and Later

REVISED

Ref.No.	Part No.	Description
R106	1-216-019-00	(FORMER)...METAL GLAZE 1K 5% 1/10W
R106	1-216-057-00	(NEW).....METAL GLAZE 2.2K 5% 1/10W
R107	1-216-081-00	(FORMER)...METAL GLAZE 470 5% 1/10W
R107	1-216-081-00	(NEW).....METAL GLAZE 22K 5% 1/10W
R108	1-216-097-00	METAL GLAZE 100K 5% 1/10W
R111	1-216-097-00	METAL GLAZE 100K 5% 1/10W
R112	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W
R113	1-216-073-00	METAL GLAZE 10K 5% 1/10W
R114	1-216-086-00	METAL GLAZE 47K 5% 1/10W
R115	1-216-086-00	METAL GLAZE 47K 5% 1/10W
R116	1-216-086-00	METAL GLAZE 47K 5% 1/10W
R117	1-216-086-00	METAL GLAZE 47K 5% 1/10W
R118	1-216-086-00	METAL GLAZE 47K 5% 1/10W
R119	1-216-196-00	METAL GLAZE 820 5% 1/10W
R120	1-216-196-00	METAL GLAZE 820 5% 1/10W
R121	1-216-033-00	(NEW).....METAL GLAZE 220 5% 1/10W
R122	1-216-033-00	(NEW).....METAL GLAZE 220 5% 1/10W
R123	1-216-033-00	(NEW).....METAL GLAZE 220 5% 1/10W
R124	1-216-033-00	(NEW).....METAL GLAZE 220 5% 1/10W
R125	1-216-033-00	(NEW).....METAL GLAZE 220 5% 1/10W
R126	1-216-033-00	(NEW).....METAL GLAZE 220 5% 1/10W
R127	1-216-019-00	(NEW).....METAL GLAZE 1K 5% 1/10W
S1	1-571-749-11	SWITCH, KEY BOARD (▶‖)
S2	1-571-749-11	SWITCH, KEY BOARD (OFF)
S3	1-571-749-11	SWITCH, KEY BOARD (DISC(-))
S4	1-571-749-11	SWITCH, KEY BOARD (DISC(+))
S5	1-571-749-11	SWITCH, KEY BOARD (AMS |◀◀)
S6	1-571-749-11	SWITCH, KEY BOARD (AMS ▶▶|)
S101	1-554-088-00	SWITCH, KEY BOARD (RESET)
X1	1-527-990-00	VIBRATOR, CRYSTAL (32.768kHz)
X101	1-567-170-00	VIBRATOR, CERAMIC (4.194MHz)

FORMER : Serial No. ; up to 109,900
NEW : Serial No. ; 109,901 and Later

● HIDEAWAY UNIT FM STEREO RF MODULATOR BOARD

Ref.No.	Paet No.	Description
904	*9-996-064-01	TERMINAL CORD (ANT JACK)
905	*9-996-065-01	TERMINAL CORD (ANT PLUG)
BPF1	9-995-026-01	B.P.F
C1	1-163-141-00	CERAMIC(CHIP) 1000PF
C2	1-163-141-00	CERAMIC(CHIP) 1000PF
C3	1-123-611-11	ELECT 1MF 50V
C4	1-123-611-11	ELECT 1MF 50V
C5	1-123-617-11	ELECT 10MF 16V
C6	1-123-608-11	ELECT 0.22MF 50V
C7	1-124-442-11	ELECT 330MF 6.3V
C8	1-163-037-11	CERAMIC(CHIP) 0.022MF
C11	1-163-622-11	CERAMIC(CHIP) 470PF
C12	1-123-622-11	ELECT 22MF 16V
C13	1-163-009-11	CERAMIC(CHIP) 1000PF
C14	1-163-227-11	CERAMIC(CHIP) 10PF
C15	1-163-119-11	CERAMIC(CHIP) 120PF
C16	1-163-253-11	CERAMIC(CHIP) 120PF
C18	1-163-243-11	CERAMIC(CHIP) 47PF
C19	1-163-037-11	CERAMIC(CHIP) 0.022MF
C20	1-163-243-11	CERAMIC(CHIP) 47PF
C21	1-163-223-11	CERAMIC(CHIP) 6PF
C22	1-163-037-11	CERAMIC(CHIP) 0.022MF
C23	1-123-608-11	ELECT 0.22MF 50V
C24	1-124-674-11	ELECT 220MF 6.3V
C25	1-163-037-11	CERAMIC(CHIP) 0.022MF
C26	1-163-021-11	(FORMER)...CERAMIC(CHIP) 0.01MF
C27	1-163-093-11	CERAMIC(CHIP) 10PF
C28	1-163-141-11	CERAMIC(CHIP) 1000PF
C29	1-163-141-11	CERAMIC(CHIP) 1000PF
C30	1-163-227-11	CERAMIC (CHIP) 10PF
C31	1-163-231-11	CERAMIC (CHIP) 15PF
C32	1-163-231-11	CERAMIC (CHIP) 15PF
C33	1-131-343-00	(NEW)...CAP, TANTALUM ELECT 0.22UF 10% 35V
CN1	9-995-028-01	JACK, PIN (INPUT)
D3	9-995-017-01	DIODE KV1450 (CHIP)
D4	8-719-800-76	DIODE MA157 (CHIP)
D5	8-719-911-19	DIODE 1SS119
D6	8-719-913-44	(NEW)...DIODE ERA82-004
D7	8-719-913-44	(NEW)...DIODE ERA82-004
IC1	8-759-708-02	IC NJM78L02A
IC2	9-996-234-01	IC BA1404
L1	1-410-328-11	INDUCTOR 10MH
L2	9-996-061-01	INDUCTOR 2.2MH
L3	1-410-320-11	INDUCTOR 2.2MH
L4	9-996-062-01	TRANSFORMER 1.5MH
L5	1-410-359-11	INDUCTOR 0.56MH

Ref.No.	Part No.	Description
Q1	8-729-216-22	TRANSISTOR 2SA1162
Q2	8-729-805-41	TRANSISTOR 2SC3398
Q3	8-729-271-22	TRANSISTOR 2SC2712-G
Q4	8-729-216-22	TRANSISTOR 2SA1162
Q5	8-729-271-22	TRANSISTOR 2SC2712
Q6	8-729-804-71	TRANSISTOR 2SC2814
Q7	8-729-804-71	TRANSISTOR 2SC2814
Q8	8-729-271-22	TRANSISTOR 2SC2712-G
R1	1-216-073-00	(NEW).....METAL GLAZE 10K
R1	1-216-075-00	(FORMER)...METAL GLAZE 12K
R2	1-216-073-00	(NEW).....METAL GLAZE 10K
R2	1-216-075-00	(FORMER)...METAL GLAZE 12K
R3	1-216-057-00	METAL GLAZE 2.2K
R4	1-216-057-00	METAL GLAZE 2.2K
R5	1-216-094-11	METAL GLAZE 75K
R6	1-216-094-11	METAL GLAZE 75K
R7	1-216-089-11	METAL GLAZE 47K
R8	1-216-065-11	METAL GLAZE 4.7K
R9	1-216-059-11	METAL GLAZE 2.7K
R10	1-216-073-11	METAL GLAZE 10K
R11	1-216-057-11	METAL GLAZE 2.2K
R12	1-216-025-11	METAL GLAZE 100
R13	1-216-025-11	METAL GLAZE 100
R14	1-216-053-11	METAL GLAZE 1.5K
R15	1-216-073-11	METAL GLAZE 10K
R16	1-216-077-11	METAL GLAZE 15K
R17	1-216-033-11	METAL GLAZE 220
R18	1-216-073-11	METAL GLAZE 10K
R19	1-216-077-11	METAL GLAZE 15K
R20	1-216-025-11	METAL GLAZE 100
R21	1-216-057-11	METAL GLAZE 2.2K
R22	1-216-073-11	METAL GLAZE 10K
R24	1-216-061-11	(NEW).....METAL GLAZE 3.3K
R24	1-216-065-11	(FORMER)...METAL GLAZE 4.7K
R25	1-216-035-11	METAL GLAZE 270
R26	1-216-041-11	METAL GLAZE 470
R27	1-216-019-11	METAL GLAZE 56
RL1	9-995-016-01	RELAY
SP1	1-519-504-11	GAP, DISCHARG
SW1	1-570-114-11	SWITCH, SLIDE (88.3MHz/88.7MHz)
TC1	9-996-060-01	CAP, TRIMMER 50PF
TC2	9-995-015-01	CAP, TRIMMER 20PF
TC3	9-995-015-01	CAP, TRIMMER 20PF
VR2	1-238-170-11	RES,ADJ,METAL GLEZE 220K
X1	1-567-093-00	VIBRATOR CRYSTAL (38KHz)
X2	9-995-027-01	VIBRATOR LITHIUH (29.5MHz)

ACCESSORY

3-750-594-11	MANUAL, INSTRUCTION
3-750-595-11	MANUAL, INSTRUCTION

FORMER : Serial No. ; up to 109,900
NEW : Serial No. ; 109,901 and Later

9-953-875-12

Sony Corporation
Mobile Electronics Group

English
90A0530-1
Printed in Japan
© 1990. 1
Published by Customer Relations and Service Group